

carrying medium is at least partially vaporized and said heat temperature raising medium is at least partially solidified.

25. A method as claimed in claim 3, wherein the heat temperature raising medium is selected from the group consisting of an organic or inorganic chemical, and mixtures thereof, either in a pure form or in a compound with a melting range of between  $-30^{\circ}\text{C}$  and  $100^{\circ}\text{C}$ , with the proviso that when the heat temperature raising medium is selected from a mixture of compounds, the mixture has a eutectic point range between  $-30^{\circ}\text{C}$  and  $100^{\circ}\text{C}$ .

26. A method as claimed in claim 3, wherein the step of transferring heat from a heat source via a first heat carrying medium comprises transferring heat via a multiple set of heat temperature raisers thereby elevating the heat temperature raising medium in multiple steps.

27. A method as claimed in claim 3, wherein said process is used in air-conditioning distillative freezing, ice making, cable water purification, waste water treatment, desalination, distillation operation under ambient temperature or high temperature, organic chemical purification and separation, or in any other process requiring the use of raising the temperature from a lower temperature heat source to a high temperature heat sink.--

#### REMARKS

Please charge Deposit Account No. 500417 in the amount of \$36.00. Please charge any shortage in fees due in connection with the filing of this paper to Deposit Account 500417 and please credit any excess fees to such deposit account.

*Adler*